FCD 560

CLASSIFICATION SECRET/CONTROL - U.S. OFFICIALS ONLY
SECURITY INFORMATION

CENTRAL INTELLIGENCE AGENCY

REPORT NO. [redacted] 25X1A

INFORMATION REPORT

CD NO.

COUNTRY East Germany

DATE DISTR. 9 November 1953

SUBJECT Research Activities of Professor Eisenkolb and Colleagues at Dresden Technical University

NO. OF PAGES 2

PLACE ACQUIRED [redacted]

NO. OF ENCLS. (LISTED BELOW) 25X1A

25X1A

DATE OF INFO.

SUPPLEMENT TO REPORT NO. [redacted]

THIS IS UNEVALUATED INFORMATION

SOURCE [redacted] 25X1X

1. Prof. Eisenkolb (fnu), Dresden, worked primarily on iron and iron-phosphorus powdered metals. It is not known whether the Soviets exhibited any direct interest in his work, or if the research ever led to any practical applications. Much of Eisenkolb's results have been published in 1953.

2. Last year Prof. Eisenkolb initiated high temperature work in the metal-ceramic field, but by the Spring of 1953 this research had produced few results, primarily because of the absence of a specialist in this field. Instead, the normal laboratory staff carried on the research. In its early stages this work probably served no purpose other than general orientation. It is believed that in the future Prof. Eisenkolb's research will be confined to powder metallurgy and soft magnetic materials.

3. Personnel, associated with Eisenkolb, were working as follows:

   a. Metal ceramics: Cand.-Ing. Richter (fnu)

   b. Contact materials: Dipl.-Ing. Dzinka (fnu)

   c. Addition of small amounts of oxide to metal: Kougener (fnu)

   d. Powder metallurgical strip rolls (iron, nickel): Dipl.-Ing. Baumgaertel (fnu) and others

   e. Layer materials (bimetal strips) produced by rolling sintered materials: unknown

   f. High elasticity of tough sintered material (iron, phosphorus): Dipl.-Ing. Dzinka

   g. Piston rings (mixed material of iron and steel): Dipl.-Ing. Baumgaertel

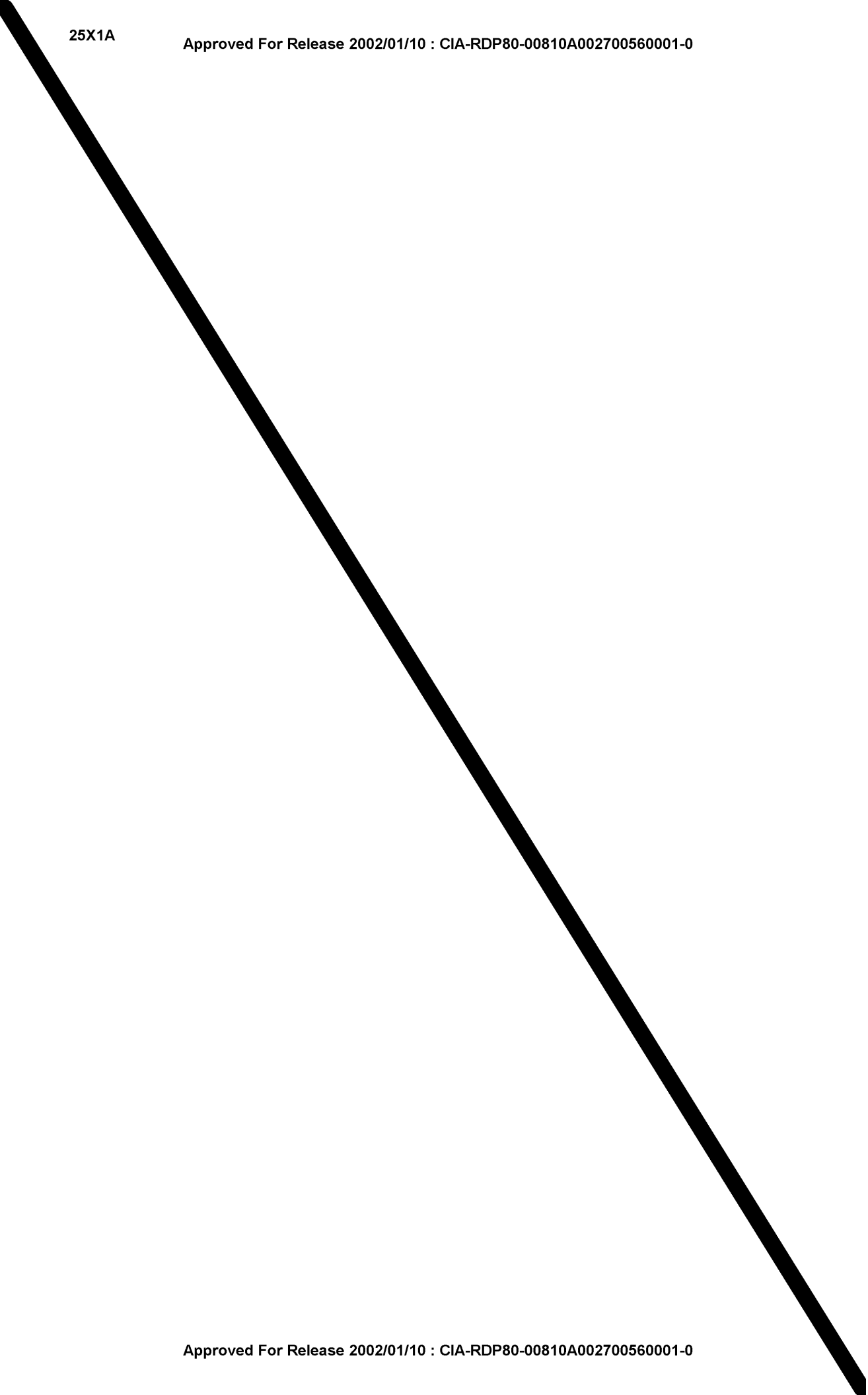
   h. Material for friction bearings (iron): Dipl.-Ing. Dzinka

   i. Sintering processes, semiactive states, gamma and alpha changes: Dipl.-Ing. Thuemmler (fnu)

CLASSIFICATION SECRET/CONTROL - U.S. OFFICIALS ONLY

STATE	#x	NAVY	#x	NSRB		DISTRIBUTION						[redacted]	
ARMY	#x	AIR	#x	FBI									

25X1A



Approved For Release 2002/01/10 : CIA-RDP80-00810A002700560001-0

25X1A [redacted]

j. Magnetic properties of soft materials: Dr.-Ing. Rapmann (fnu), Dipl.-Phys. Wittig (fnu), and others

k. "Rechteckschleife" (50-90 iron-nickel): Dipl.-Ing. Linder (fnu)

l. Material with small permeability changes ("Permeabilitaetsanstieg"): unknown

m. Material with small expansion coefficient (watch spring material): unknown

n. Material with small wattage losses: unknown

o. "Landverschiebungen" (powder pictures): unknown